

Title (en)
AIR SPRING DEVICE FOR LOAD-CARRYING VEHICLES

Title (de)
LUFTFEDERVORRICHTUNG FÜR LASTTRAGENGE FAHRZEUGE

Title (fr)
RESSORT PNEUMATIQUE POUR VEHICULE DE TRANSPORT

Publication
EP 1040022 B1 20030813 (EN)

Application
EP 98964593 A 19981211

Priority
• SE 9802284 W 19981211
• SE 9704731 A 19971218

Abstract (en)
[origin: WO9933676A1] The invention relates to an air spring for transport vehicles comprising a vessel ("piston") (10) of rigid, pressure-resistant material, such as steel, and a bellows (9), fitted onto the vessel ("piston") (10), of e.g. nylon-reinforced rubber, being in pneumatic connection with the "piston" (10) and connected to a source of compressed air. The invention is characterised by the "piston" (10) being provided with an air shut-off valve (13) in the opening (12) towards the bellows (9).

IPC 1-7
B60G 11/27; **B60G 17/048**; **F16F 9/04**

IPC 8 full level
B60G 11/26 (2006.01); **B60G 11/28** (2006.01); **B60G 17/048** (2006.01); **F16F 9/04** (2006.01)

CPC (source: EP US)
B60G 11/28 (2013.01 - EP US); **B60G 17/0485** (2013.01 - EP US); **F16F 9/0472** (2013.01 - EP US); **B60G 2202/152** (2013.01 - EP US); **B60G 2202/154** (2013.01 - EP US); **B60G 2500/204** (2013.01 - EP US); **B60G 2500/22** (2013.01 - EP US); **B60G 2500/30** (2013.01 - EP US)

Cited by
DE102004008928A1; US7429051B2

Designated contracting state (EPC)
DE FR GB IT NL SE

DOCDB simple family (publication)
WO 9933676 A1 19990708; BR 9813738 A 20001010; DE 69817218 D1 20030918; DE 69817218 T2 20040701; EP 1040022 A1 20001004; EP 1040022 B1 20030813; JP 2001526998 A 20011225; SE 513416 C2 20000911; SE 9704731 D0 19971218; SE 9704731 L 19990619; US 6644632 B1 20031111

DOCDB simple family (application)
SE 9802284 W 19981211; BR 9813738 A 19981211; DE 69817218 T 19981211; EP 98964593 A 19981211; JP 2000526385 A 19981211; SE 9704731 A 19971218; US 53076300 A 20000502